

LOS RIOS COMMUNITY COLLEGE DISTRICT

1919 Spanos Court, Sacramento, CA 95825
Phone (916) 568-3071 FAX (916) 568-3145
Purchasing Department

Sacramento City College American River College Cosumnes River College Folsom Lake College

ADDENDUM NO. 1

ISSUE DATE: October 18, 2019

ARC Chilled Water Plant Upgrade

LRCCD BID NO. 19028

Issued By:

LOS RIOS COMMUNITY COLLEGE DISTRICT
1919 Spanos Court, Sacramento, CA 95825
Phone (916) 568-3071 Fax (916) 568-3145

This addendum forms a part to the Contract Documents. The addendum items supersede and supplement all portions of the bidding documents with which it conflicts. All workmanship, materials, appliances and equipment which may be included in the following addendum items shall be of the same relative quality as described for similar work set forth in the general or main specifications of which these addendum items shall be considered a part.

This Addendum has been acknowledged in the space provided on the Bid Form and is considered part of the bid documents.

This Addendum consists of 6 pages.

RFI #1: (will) American River College consider single compressor chillers with VFD on the bid?

RFI#1 RESPONSE: No. We are looking for adaptability for times when we do not need the total tonnage thus the use of multiple compressors. We can accomplish that with the VFD, but the issue with having one compressor is if we lose it.

REPLACE SECTION 011100 – SUMMARY OF WORK. ATTACHED.

REPLACE SHEET E1.1 ELECTRICAL SITE PLAN. ATTACHED.

END OF SECTION.

**AMERICAN RIVER COLLEGE
CHILLED WATER PLANT UPGRADE – LRCCD Bid #19028**

SECTION 011100 - SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES:

- A. Work Covered by Contract Documents.
- B. Work by Others.
- C. Contractor Use of Premises.

1.02 WORK COVERED BY CONTRACT DOCUMENTS:

- A. Outline of Work: The work to be performed by Contractor shall conform to the requirements of the Contract Documents, including but not limited to, the General Conditions, specifications, drawings, and other related documents, and include the furnishing of all labor, materials, tools, equipment, plant, and services necessary therefore and incidental thereto to complete the project. **The work shall consist of, but not be limited to the Removal of two existing 400 ton Chillers, replace with 500 ton Chillers. Retro fit the existing cooling tower to provide an additional 200 ton capacity. Add new associated pumps for the chillers and cooling tower. Provide new associated piping, electrical and controls as required in the construction documents. Return all pump assemblies to district**

- B. Phasing Plan and Allowable Utilities Shutdowns.

- 1. Work within Buildings.

- a. The Contractor shall submit a phasing plan identifying planned shutdowns to the owner for approval prior to beginning physical work within a building.
- b. The number of allowed shut-downs per building tie-in is two each for the chilled water systems. The normal maximum shutdown period is for a period of 60 hours except as noted below. Contractor shall assume that shutdowns will commence at 6:00 Pm Friday and that the system be back up on line no later than 6:00 am Monday.
- c. During cold weather periods, the chilled water system may be shut down for up to thirty days with the District's approval. Cold weather periods are considered to be those days where the high temperature is forecasted to be below 70 degrees F.
- d. The District, at its sole discretion, may allow the chilled water to be shut down for periods greater than 60 hours during periods of mild weather and upon written request by the Contractor.
- e. The Contractor shall not be entitled to any additional compensation regardless of whether shutdowns greater than 72 hours are approved.

- C. Phasing Plan and Allowable Electrical Shutdowns.

- 1. Work within buildings.

- a. The Contractor shall submit a phasing plan identifying planned shutdowns to the owner for approval prior to beginning physical work within a building.

**AMERICAN RIVER COLLEGE
CHILLED WATER PLANT UPGRADE – LRCCD Bid #19028**

- b. The number of allowed shutdowns per switchgear is two each. The contractor is not allowed to shut down both banks of switchgear at the same time. The normal maximum shutdown period is for a period of 42 hours except as noted below. Contractor shall assume that shutdowns will commence at 12:01 AM Saturday and that the system will be back up on line no later than 6:00 PM Sunday.
- c. The District, at its sole discretion, may allow switchgear to be shut down for periods greater than 42 hours during holidays upon written request by the Contractor.
- d. A minimum three weeks of notice is required for any electrical shutdown. Electrical shut down work will be performed after hours, weekends, or holidays without any additional compensation.
- e. The Contractor shall not be entitled to any additional compensation regardless of whether shutdowns greater than 42 hours are approved.

D. Temporary Power:

The Contractor shall provide generators, cabling, connection to existing panels, fuel, delivery and removal, and monitoring for the locations noted below during shut-down periods. This applies to base bid and alternate work.

- E. Temporary Power is required to maintain full operation of Boiler Plant and Control Center during any Electrical Shutdown in excess of four hours.

1.03 CONTRACT METHOD

- A. Construct the Work under a single Lump Sum Contract.

1.04 CONTRACTOR USE OF PREMISES

- A. Contractor shall have use of the premises as described in the Construction drawings for access to and the execution of the Work. Portion of the site beyond areas in which construction operations are indicated are not to be disturbed.
- B. Coordinate use of the premises with the acceptance of the District's Project Manager.
- C. Assume full responsibility for the protection and safekeeping of products under this Contract, stored on the site.
- D. Schedule deliveries so as to minimize space and time requirements for storage of materials and equipment on site.
- E. Move any stored products under Contractor's control which interfere with the operations of the District or a separate contractor.
- F. Obtain and pay for the use of additional storage or work areas needed for operations.
- G. Contractor shall assume all responsibility for parking his own and his subcontractors' vehicles.

1.05 SURROUNDING SITE CONDITION SURVEY

- A. Prior to commencing the work, the Contractor will implement all necessary provisions of the Special Project Procedures, Section 01 35 00. Contractor shall strictly follow these procedures at all times.

**AMERICAN RIVER COLLEGE
CHILLED WATER PLANT UPGRADE – LRCCD Bid #19028**

- B. Prior to commencing the work, the Contractor, and District's representative shall tour the site together to examine and record damage to existing adjacent improvements. Provide photographs as record. This record shall serve as a basis for determination of subsequent damage due to the Contractor's operations and shall be signed by all parties making tour. Any cracks, sags, or damage to the improvements not noted in the original survey, but subsequently discovered, shall be reported to the District's Representative.

1.06 NOT USED

1.07 DISTRICT-FURNISHED ITEMS

- A. The District may provide equipment, furniture or casework as indicated in drawings. The Work under this contract includes providing support systems to receive District's equipment, casework, and provide mechanical and electrical connections. Installation is included as part of Work under this Contract.
 - 1. The District will arrange and pay for delivery of District-furnished items and will inspect deliveries for damage.
 - 2. The Contractor is responsible for receiving, unloading and handling District-furnished items at the site.
 - 3. The Contractor is responsible for protecting District-furnished items from damage, including damage from exposure to the elements, and to repair or replace items damaged as a result of his operations.
- B. The Contractor shall inform District in writing of Contractor requested delivery dates of District-furnished items. The Contractor is responsible for designating the delivery dates of District-furnished items in the Contractor's Construction Schedule. These delivery dates are to be based on a mutually agreed-upon schedule between the District and the Contractor.

PART 2 - PRODUCTS (Not Applicable)

PART 3 – EXECUTION (Not Applicable)

END OF SECTION



B
E1.1 EQUIPMENT ENCLOSURE ENLARGED PLAN
SCALE: 1" = 10'-0"

GENERAL SHEET NOTES

- A. CALL U.S.A. PRIOR TO UNDERGROUND WORK. 1-800-227-2600.
- B. BMS CONTRACTOR TO INSTALL (1) NEW OBVIOUS A8810—ACQUISITE DATA ACQUISITION SERVER IN ARC CENTRAL PLANT NEXT TO MOTOR CONTROL CENTER. CONNECT KW METER (PREVIOUSLY INSTALLED BY OTHERS IN THE NEW MAIN SWITCHBOARD LOCATED OUTSIDE OF THE CENTRAL PLANT), UTILIZING THE EXISTING CONDUIT FROM THE CONCRETE PAD TO THE CENTRAL PLANT. INTEGRATE INTO THE BMS. DEMO ABANDONED KW METER LOCATED IN THE MOTOR CONTROL CENTER.

NUMBERED SHEET NOTES

- 1. EXISTING 4" SPARE CONDUITS. ALTERNATE SCOPE, UTILIZE SPARE CONDUITS FOR NEW FEEDER AS DESCRIBED ON SHEET E0.2, POWER ONE-LINE DIAGRAM.
- 2. ALTERNATE SCOPE: EXTEND NEW FEEDER PER POWER ONE-LINE DIAGRAM TO NEW DISTRIBUTION BOARD DB1.
- 3. ALTERNATE SCOPE: NEW DISTRIBUTION BOARD DB1, REFER TO SCHEDULE ON E0.3.

TURLEY & ASSOCIATES
MECHANICAL ENGINEERING GROUP, INC.
2047 CAPITOL AVENUE
SACRAMENTO, CA 95816
PH: (916) 225-1055
FAX: (916) 225-4078
Email: office@turley-mech.com



The Engineering Enterprise
Consulting Engineers
1125 HIGH STREET
AUBURN, CA 95603
(530) 886-8556



CONSULTANTS:

**AMERICAN RIVER COLLEGE
CHILLED WATER PLANT
UPGRADE**
4700 COLLEGE OAK DRIVE
SACRAMENTO, CA 95841

SHEET TITLE:

ELECTRICAL SITE PLAN

NO.	REVISIONS	DATE	BY
1			

SHEET NUMBER:
E1.1

Project Engineer	BP	Job Number	1730
Project Manager	BP	Proj. Date	Apr. 12, 2019, 1:46pm
Project Designer	BP	Design	

SHEET : OF